



LABORATORY EQUIPMENTS

**AUTOCLAVES**

# SERIES AUTOCLAVE

## AUTOMATIC DRYING FUNCTION

**Capacity:** 60L/85L/110L

### MAIN FEATURES

**Dia of Sterilization chamber:** The heavy-gauge sterilization chamber in a diameter of 40 cm offers a massive space to satisfy various sterilization requirements.

**Microcomputer control system:** "Inspiration" fast speed Microcomputer intelligent control system is highly robust to not only realize the total-process controls of sterilization, but also enable convenient maintenance, inquiry, calibration, recording and upward scalability in the future. It allows three tiers of administrations, i.e. user, user administrator and engineer, to guarantee satisfactory use and management of autoclave.

**Waste sterilization Mode:** dedicated waste sterilization procedures are established for effective sterilization of lab wastes.

**Drying function:** Thoroughly drying according to CE standards.

**Cooling lock open temperature:** Each procedure can set different cooling lock open temperatures according to the thermal inertia of the sterilization object so as to prevent the user from opening the cover and hence getting burnt when the sterilization object (particularly liquid object) is still in an unsafe state.

**Sterilization Temperature:** 105-138 °C

### FUNCTION

**Mechanical interlocking:** the unique "eight-column evenly distributed" interlocking device is safer and more reliable than common interlocking devices.

**Electric double inner locks:** enable the control system to monitor the temperature and pressure in the sterilization chamber on real-time basis and disable opening of the sterilization chamber cover until the safe temperature and pressure are reached, hence guaranteeing the personal safety of the operator.

**Six preset procedures:** Six sterilization procedures and warming procedures are preset for the sterilizing, warming and drying of solids and liquids, the melting and warming of agars.

**Agar processing:** It can heat and melt down and preserve heat of agars or preheat the sterilization chamber.

**Timed startup:** It is possible to preset a time program so that the autoclave can be automatically started for sterilization according to the preset schedule.

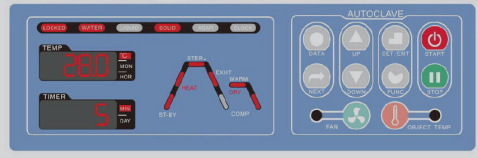
**Memory system:** The operator can set the sterilization parameters and create as many as 60 procedures that can be readily used.

**Steam discharge control:** Upon completion of sterilization procedure, the vent valve can automatically open to discharge steams at the preset temperature.

**Calibration interface:** Temperature and pressure calibration interfaces are available for calibration purpose

**Automatic water feeding:** Exempt the convenience of frequent water feeding; water level sensors are installed to automatically stop the autoclave and giveout alarms when water is running out.

**Staurated Steam Monitoring:** The system can automatically monitor the discharge conditions of cold air so as to guarantee a sterilizing environment of pure steams and optimal sterilization effects.



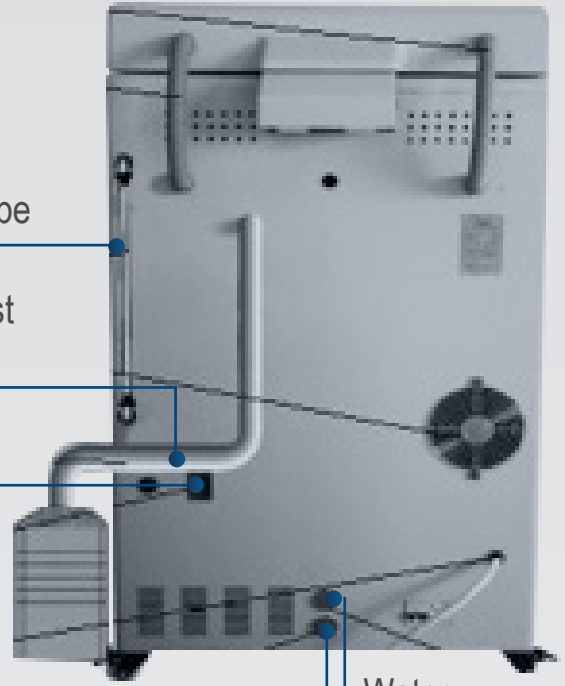
Water level tube

Steam exhaust hose

Safety valve

Drain filter

Water feeding filter





# ATV SERIES AUTOCLAVE

## AUTOMATIC DRYING FUNCTION

### FUNCTION TABLE

Features		ATV600 - ATV850 - ATV1100
Sterilization mode	Solid mode: Heating-Sterilizing-Exhausting and air cooling	YES
	Solid with drying mode: Heating-Sterilizing-Exhausting and air cooling-water drainage-drying	YES
	Liquid mode: Heating-sterilizing-Precooling-Steam exhausting	YES
	Waste Mode: Heating-Sterilizing-Steam exhausting and air cooling	YES
	Waste Mode: Heating-Sterilizing-Steam exhausting and air cooling	YES
	Agar Mode: Heating-Melting-Warming	YES
	Automatic water feeding	STANDARD
Water level sensor	STANDARD	
Cooling fan	STANDARD	
Load thermometer	OPTIONAL	
Printer	OPTIONAL	
Memory system	Create 60 procedures	



# ATV SERIES AUTOCLAVE

## AUTOMATIC DRYING FUNCTION

### SPECIFICATION TABLE

Features	ATV600	ATV850	ATV1100
Capacity (Liter)	60	85	110
Dimension (LxWxH)	660x644x980	660x644x980	660x644x1180
Chamber Dimension (Dia*H, mm)	φ 400×505	φ 400×700	φ 400×895
Chamber material	SUS304		
Rated power supply	220V/50Hz		
Rate power(W)	2900	4600	4600
Sterilization temperature	105-138°C		
Range of sterilization time	1-300 minutes		
Melting temperature	60-100°C		
Range of melting time	1-300 minutes		
Warming temperature	45-60°C		
Range of melting time	1-9999 minutes		
Preset range of drying time	1-300 minutes		
Preset range of cooling lock OPEN temperature	40-99°C for solid and agar modes and 40-80°C for liquid and waste modes		
Preset range of steam exhausting temperature	73 - 104°C		
Exhausting mode	Fully automatic internal discharging Embedded with a steam trapping bottle		
Way of opening lid	Flip type		
Preset range of timer	0 minute - 6 days delayed		
Preset range of timer	0-0.6 MPa		
Preset temperature of chamber lid opening	presettable		
Rated working pressure	0.27 MPa		
Controller	"inspiration" fast-speed microcomputer intelligent control system		
Safety device	"eight-column evenly distributed" interlocking device, electric double inner locks, dry scorch protection, over pressure protection, safety valve, over temperature protection, over current and shortcircuit protection, leakage protection, cooling lock, anti-scald chamber cover and bench, automatic troubleshooting		
Accessories	drainage hose, water plate, exhaust bottle		
	Two stainless steel baskets	Two stainless steel baskets	Three stainless steel baskets
Other accessories	Stainless steel pail, printer, cooling fan, Article thermometer optional		
Net weight (Kg)	101	113	125
Item code	608.1002.06	608.1002.08	608.1002.11

## ACCESSORIES:

<p><b>Standard Accessory</b></p>	<p>ATV600 Stainless Steel Basket <math>\phi</math> 370mm (Dia)<math>\times</math>200mm (H)          ATV850 Stainless Steel Basket <math>\phi</math> 370mm (Dia)<math>\times</math>280mm (H)          ATV1100 Stainless Steel Basket <math>\phi</math> 370mm (Dia)<math>\times</math>260mm (H)</p>	<p><b>608.1002.50</b>  <b>608.1002.51</b>  <b>608.1002.52</b></p>	
<p><b>Optional Accessory: Stainless Steel Basket</b></p>	<p><i>Note: Diameter and height of baskets can be custom-made.</i></p>		
<p><b>Optional Accessory: stainless steel pails</b></p>	<p>Size 1: <math>\phi</math> 315mm (Dia)<math>\times</math>200mm (H)          Size 2: <math>\phi</math> 240mm (Dia)<math>\times</math>200mm (H)</p>	<p><b>608.1002.58</b>  <b>608.1002.59</b></p>	
<p><b>Optional Accessory: Article thermometer</b></p>		<p><b>608.1002.62</b></p>	
<p><b>Optional Accessory: printer</b></p>		<p><b>608.1002.64</b></p>	
<p><b>Optional Accessory 5 printing set (pressure sensor + printer)</b></p>		<p><b>608.1002.65</b></p>	



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